

QA front-end automation engineer - homework

Why Homework?

We realize having to do homework can be seen as a big imposition as part of an interview process. Yet we chose to do it as it provides the following benefits

- It provides a partial alternative to using a whiteboard, which is impractical in remote interviews
- It provides you with a concrete window into what you'll do in your everyday job, even if it can only do so a small part of the job
- In the tech interview you'll tell us how you went about it, what obstacles you ran into, and how you overcame them. This is a useful base of discussion and helps ensure the interview is as informative for both you and the team as possible.

Homework rules

- There's no time limit, but we would like you to send the test within 7 days. We realize you have a lot on your plate so if you can't meet this timeframe, please let us know what works for you.
- We expect a zipped git repo or a public github link with the project including a README file where you explain the approach as well as any notes you'd like to share with the team.
- We want to see individual commits (so that we can understand how the solution was built)

Homework

Abstract : We will give you the link to a very simple web application that was implemented using Angular JS which you will have to test

Web app is public and can be accessed at the following link: <https://angular.realworld.io/>

What does the application do:

- The homepage consists in displaying a feed of articles which has 2 sections: "Your Feed" and "Global Feed", then a list of "Popular Tags"
- On the top of the page you also have 3 buttons: HOME, SIGN IN and SIGN UP.
- You should be able to create accounts and then log in with them.
- Once you've logged in, you will be redirected to the "Your Feed" section
- You will also notice the presence of the "Home", "New Article", "Settings" and the profile section containing an avatar and your username

What we'd like you to do :

- Create an end to end test plan to cover the following user flows:
 - Creation of a new account
 - Log In
 - Creation of a new article
 - Edit of an existing article
 - Adding comments to an existing article
 - Deletion of a existing article
- Implement and execute the end to end automated test suite against the web application.
- Generate a test report containing the results

BONUS: If you have the time, It would be nice if you can also create a Jenkins pipeline that runs the test suite that you've just created and generates a report at the end

NOTE: When you create a new article, it will be published in the Global Feed section and not in the Your Feed one.

Your deliverable should be a git repository (online or zipped-up local git repo) containing your source code, test plan and relevant documentation. Please add a readme explaining how to run your code, and any context you want us to have.

Please feel free to reply to this email if you have any questions regarding this task. Otherwise, good luck and we're looking forward to receiving your response.